Figure 1: Protein alignment of Rho small GTPases from *Oryza sativa* cv. Noppon-Brarre (a japonica rice), *Brassica napus* cv. "AC Excel" "Quantum" and "Cresor" (canola), and *Glycine max* cv. Resuick (soybean). Boxes (doted line) represent the identical amino acid.

BN41992996 (74) SYRGADVFILAFSLISKASYENVSKKWIPELTHYAPGVPIVLVGTKLDLRDD-KQFFVDHPGAVPITTAQGEELMKLIGAPSYIECSSKSQENVKGVFDA
BN42135991 (74) SYRGADVFILAFSLISKASYENIAKKWIPELRHYAPGVPIILVGTKLDLRDD-KQFFIDHPGAVPITTNQGEELKKLIGSPVYIECSSKTQQNVKAVFDA
BN42385898 (74) SYRGADVFILAFSLISKASYENVSKKWIPELTHYAPGVPIVLVGTKLDLRDD-KQFFVDHPGAVPITTAQGEELMKLIGAPSYIECSSKSQENVKGVFDA
BN42519337 (74) SYRGADVFLLAFSLISKASYENIYKKWLPELKHYAPSIPIVLVGTKLDLRDD-KQFLKDHPGAASITTAQGEELRKMIGAIKYLECSSKTQQNVKAVFDT
BN42557868 (88) SYRGADVFILAFSLISRPSFENIAKKWVPELRHYAPNVPIVLVGTKLDLRED-KKFPMNYPGACTISTEQGQELRKEIGALAYIECSSKTQQNVKAVFDA
BN43381801 (76) SYRGADVFVLSFSLVSRASYENVYKKWIPELQHFAPGVPLVLVGTKLDLREDNKHYLADHPGLSPVTTAQGEELRKLIGATYYIECSSKTQQNVKAVFDS
BN44062474 (76) SYRGADVFVLSFSLVSRASYENVFKKWIPELQHFAPGVPLVLVGTKLDLRED-KHYLADHPGLSPVTTAQGEELRKLIGATYYIECSSKTQQNVKAVFDS
BN44504217 (74) SYRGADVFILAFSLISKASYENIAKKWIPELRHYAPGVPIILVGTKLDLRDD-KQFFIDHPGAVPISTNQGEELKKLIGSPAYIECSSKTQQNVKAVFDA
BN45412825 (74) SYRGADVFLLAFSLVSKASYENVSKKWVPELRHYAPGVPIILVGTKLDLRDD-KQFFVEHPGAVPISTAQGEELKKVIGAPAYIECSAKTQQNVKAVFDA
GM47124407 (74) SYRGADVFLLCYSLISKASYENISKKWIPELRHYAPNVPIVLVGTKLDLRDD-KQFLIDHPGSARITTAQGEELKKMIGAVTYIECSSKTQLNVKTVFDA
GM47172047 (74) SYRGADVFLLAFSLISKASYENISKKWIPELRHYAPTVPIVLVGTKLDLRED-RQYLIDHPGTTAIATAQGEELKKAIGAAVYIECSSKTQQNVKAVFDA
GM48914268 (74) SYRGADVFILAFSLISKASYENIAKKWIPELRHYAPGVPIILVGTKLDLRDD-KQFFMDHPGAVPITTAQGEELRKLIGAPAYIECSSKTQQNVKAVFDA
GM49741326 (77) SYRGADVFVLAFSLVSRASYENVLKKWIPELQHFAPGIPLVLVGTKLDLRED-KHYMADHPSLVPVTTDQGEELRKHIGATYYIECSSKTQQNVKAVFDA
GM50199916 (74) SYRGADVFLLAFSLISRASYENVAKKWIPELRHYAPGVPIILVGTKLDLRDD-KQFFQDHPGAVPITTAQGEELRKLIGAPIYIECSSKTQQNVKAVFDA
GM50693528 (74) SYRGADVFILAFSLISKASYENVSKKWIPELKHYAPGVPIILVGTKLDLRDD-KQFCIDHPGAVPITTAQGEELRKLINAPAYIECSSKTQENVKAVFDA
GM52260563 (74) SYRGADVFLLAFSLISRASYENVAKKWIPELRHYAPGVPIILVGTKLDLRDD-KQFFQDHPGAVPITTAQGEELRKLIGAPIYIECSSKTQQNVKAVFDA
OS30848846 (75) SYRGADIFVLAFSLISRASYENVLKKWMPELRRFAPNVPIVLVGTKLDLRDH-RSYLADHPAASAITTAQGEELRKQIGAAAYIECSSKTQQNIKAVFDT
OS32558796 (101) YYRGAAAVVVYDITSPESFSKAQYWVKELQKHGSPDIIMVLVGNKADLHEN-----RHVSS-------QEAQEYAEKN-NMVFIETSAKTADNINQVFEE
OS33960403 (76) SYRGADVFVLAFSLVSRASYENVMKKWLPELQHYAPGVPIVLVGTKLDLRED-KHYLLDHPSLVPVTTAQGEELRKHIGATCYIECSSKTQQNVKAVFDA
OS35505384 (83) YYRGADAALLVYDITDNDTFLRVTKWVKELKQMANKDIVMAIAANKSDLVRS----------KHIDTNEAASYAESIGATLFVTS-AKAGTGIDDIFSD
OS37807380 (78) SYRGADVFILSFSLISRASYENVQKKWMPELRRFAPGVPVVLVGTKLDLRED-RAYLADHPASSIITTEQGEELRKLIGAVAYIECSSKTQRNIKAVFDT
YNL090W (75) SYSKADIILIGFAVDNFESLINARTKWADEALRYCPDAPIVLVGLKTDLRQE--AHFKENATDEMVPIEDAKQVARAIGAKKYMECSALTGEGVDDVFEV

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BN41992996 (173) AIRVVLQPPKQKK---KKGKV---QKACSIL----------
BN42135991 (173) AIKVVLQPPKSKK-----KKKN---KNRCVFL----------
BN42385898 (173) AIRVVLQPPKQKK----KKSKA---QKACSIL----------
BN42519337 (173) AIRVALRPPKAKKK---IKPLRTKRSRTCFFF----------
BN42557868 (187) AIKVVLQPPTKIK----KQKRR---FRFCHAL----------
BN43381801 (176) AIKEVIKPVVKQKEKTQKTKKQKS-NHGCLSNVLCGRIVTRH----
BN44062474 (175) AIKEVIKPVLKQKGKTKKKKKKQQSNHHGCLSNVLCGRIVTRH----
BN44504217 (173) AIKVVLQPPKQKK-----KKK----KNGCVFL----------
BN45412825 (173) AIKVVLQPPKNKKR---KKRKS---QKACSIL----------
GM47124407 (173) AIKVALKPPKPKKK---PR-----KKRTCTFL----------
GM47172047 (173) AIKVVLQPPKSKKK---GK----KKNTPCVFL----------
GM48914268 (173) AIKVVIQPPKLKK-----KRKT---QKACSIL----------
GM49741326 (176) AIRMVIKPPQKQNE---KRKKKPR---GCFLNVLCRRNIVRLK---
GM50199916 (173) AIKVVLQPPKQKK----KKRKG---QKACSIL----------
GM50693528 (173) AIRVVLQPPKQKK----KKGKA---QKACSIL----------
GM52260563 (173) AIKVVLQPPKQKK----KKRKG---QKACSIL----------
OS30848846 (174) AIKVVLQPPRRRGETTMARKKTRRSTGCSLKNLMCGSACVV-----
OS32558796 (189) IAKRLPRPTAS-----------------------------------
OS33960403 (175) AIKVVIKPPTKQRDR--KKKKTRRGCSFFCKGVMSRRRLVCFK---
OS35505384 (171) IAKRLLERRKNSS----DGLSLAHPKKGILIVDDEPEKEPPPKCCS
OS37807380 (177) AIKVVLQPPR---HKDVTRKKLQSSSNRPVRRYFCGSACFA-----
    YNL090W (173) ATRTSLLMKKEPG----------ANCCIIL----------
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